Device for spectral measurement of fluids in UV, visual and NIR regions

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Abstract of **DE19948990**

The device has an immersion tube (3) with an optical sensor end and an associated calibration chamber with a inlet and a outlet for cleaning and calibration fluids. The base body has a probe body (1) and an immersion tube (3), which can be axially displaced along a bored hole (2) in the probe body. At the front end of the immersion tube is an optical sensor element (12). Between the immersion tube and the inner wall of the probe body is a calibration chamber, which has an inlet and an outlet (5,6) for cleaning and calibration fluids. Sealing elements (7,8) are fixed on both sides of the inlet and outlet tubes, for sealing the annular space (4) between the immersion tube and the probe body.